BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains at behind swathi hotel at Sahakara Nagar in Ward No:10 Kempapura

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
Item No. 01		Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. and as per the direction of Engineer in charge of the work.											
			Cum										
		Vide Total executed Quantity from premeasuremet Page no. 01 to 02								382.33			
									Total Executed Quantity	382.33			
									Tender Quantity	382.35			
									Now To Be Paid Quantity	382.33	210.53	80491.93	
Item No. 02		Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. and as per the direction of Engineer in charge of the work.											
			Cum										
		Vide Total executed Quantity from premeasuremet Page no. 03 to 04								47.48			
									Total Executed Quantity	47.48			
									Tender Quantity	47.52			
									Now To Be Paid Quantity	47.48	6286.57	298486.34	
Item no.03		Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) and as per the direction of Engineer in charge of the work.											
Measurements Taken On :													
		Sahakar Nagar											
		Hema Sudeep Arcade Building Road											
		RHS											
		South to North											
0	15		Cum	1	15.00	1.00	1.00	1.00	0.15	2.25			
15	21		Cum	1	6.00	1.00	1.00	1.00	0.15	0.90			
		14th main road Swathi Hotel Beside Road											
		RHS											
		West to East											
0	15		Cum	1	15.00	1.00	1.00	1.00	0.15	2.25			
15	24.1		Cum	1	9.10	1.00	1.00	1.00	0.15	1.37			
		LHS											
		West to East											
0	15		Cum	1	15.00	1.00	1.00	1.00	0.15	2.25			
15	30		Cum	1	15.00	1.00	1.00	1.00	0.15	2.25			
30	31.4		Cum	1	1.40	1.00	1.00	1.00	0.15	0.21			
		Multi Car Clinic Beside Road											
		LHS											
		South to north											
0	15		Cum	1	15.00	1.00	1.00	1.00	0.15	2.25			
15	30		Cum	1	15.00	1.00	1.00	1.00	0.15	2.25			
30	45		Cum	1	15.00	1.00	1.00	1.00	0.15	2.25			
45	47.1		Cum	1	2.10	1.00	1.00	1.00	0.15	0.32			

18.55

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		Signify Design ing Building Beside Road											
		South to North											
		RHS											
0	15		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48			
15	30.6		Cum	1	15.60	1.10	1.10	1.10	0.15	2.57			
0	15		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48			
15	24.1		Cum	1	9.10	1.10	1.10	1.10	0.15	1.50			
		LHS											
		North to South											
0	15		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48			
15	30		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48			
30	45		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48			
45	48.4		Cum	1	3.40	1.10	1.10	1.10	0.15	0.56			
0	15		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48			
15	29.9		Cum	1	14.90	1.10	1.10	1.10	0.15	2.46			
		Side Wall											
		Sahakar Nagar											
		Hema Sudeep Arcade Building Road											
		RHS											
		South to North											
0	15		Cum	2	15.00	0.15	0.15	0.15	0.60	2.70			
15	21		Cum	2	6.00	0.15	0.15	0.15	0.60	1.08			
		14th main road Swathi Hotel Beside Road											
		RHS											
		West to East											
0	15		Cum	2	15.00	0.15	0.15	0.15	0.60	2.70			
15	24.1		Cum	2	9.10	0.15	0.15	0.15	0.60	1.64			
		LHS											
		West to East											
0	15		Cum	2	15.00	0.15	0.15	0.15	0.60	2.70			
15	30		Cum	2	15.00	0.15	0.15	0.15	0.60	2.70			
30	31.4		Cum	2	1.40	0.15	0.15	0.15	0.60	0.25			
		Multi Car Clinic Beside Road											
		LHS											
		South to north											
0	15		Cum	2	15.00	0.15	0.15	0.15	0.60	2.70			
15	30		Cum	2	15.00	0.15	0.15	0.15	0.60	2.70			
30	45		Cum	2	15.00	0.15	0.15	0.15	0.60	2.70			
45	47.1		Cum	2	2.10	0.15	0.15	0.15	0.60	0.38			
		Signify Design ing Building Beside Road											
		South to North											
		RHS											
0	15		Cum	2	15.00	0.15	0.15	0.15	0.90	4.05			
15	30.6		Cum	2	15.60	0.15	0.15	0.15	0.90	4.21			
0	15		Cum	2	15.00	0.15	0.15	0.15	0.75	3.38			
15	24.1		Cum	2	9.10	0.15	0.15	0.15	0.75	2.05			
		LHS											
		North to South											
0	15		Cum	2	15.00	0.15	0.15	0.15	0.75	3.38			

61.29

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
15	30		Cum	2	15.00	0.15	0.15	0.15	0.75	3.38			
30	45		Cum	2	15.00	0.15	0.15	0.15	0.75	3.38			
45	48.4		Cum	2	3.40	0.15	0.15	0.15	0.75	0.77			
0	15		Cum	2	15.00	0.15	0.15	0.15	0.90	4.05			
15	29.9		Cum	2	14.90	0.15	0.15	0.15	0.90	4.02			
									Sub Total	95.44			
		Culvert											
		Sahakar Nagar											
		14th main road Swathi Hotel Beside Road											
		LHS											
			Cum	1	5.00	1.30	1.30	1.30	0.20	1.30			
			Cum	1	6.85	1.30	1.30	1.30	0.20	1.78			
		Side Wall											
		Sahakar Nagar											
		14th main road Swathi Hotel Beside Road											
		LHS											
			Cum	2	5.00	0.23	0.23	0.23	0.65	1.50			
			Cum	2	6.85	0.23	0.23	0.23	0.60	1.89			
									Sub Total	6.47			
									Total Executed Quantity	101.91			
									Tender Quantity	101.94			
									Now To Be Paid Quantity	101.91	7092.94	722841.52	
Item no.04		Supplying, Fitting and Placing TMT Fe550 bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. and as per the direction of Engineer in charge of the work.											
			Tonne										
		Vide Total executed Quantity from premeasuremet Page no. 05								4.17			
									Total Executed Quantity	4.17			
									Tender Quantity	4.00			
									Now To Be Paid Quantity	4.17			
									Quantity Limited to	4.00	104327.22	417308.88	
Item no.05		Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. The cost of steel reinforcement & formwork shall be paid separately Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates											
			Cum										
		Vide Total executed Quantity from premeasuremet Page no. 06								3.60			
									Total Executed Quantity	3.60			
									Tender Quantity	3.60			
									Now To Be Paid Quantity	3.60	6483.52	23340.67	
Item no.06		Providing and Fixing pre cast Covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting, including form work,curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift. transportation etc, copmplete and as per the direction of Engineer in charge of the work.											
Measurements Taken On :													
		Sahakar Nagar											
		Hema Sudeep Arcade Building Road											
		RHS											
		South to North											
0	15		Sqm	1	15.00	0.90	0.90	0.90		13.50			
15	21		Sqm	1	6.00	0.90	0.90	0.90		5.40			

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		14th main road Swathi Hotel Beside Road											
		RHS											
		West to East											
0	15		Sqm	1	15.00	0.90	0.90	0.90		13.50			
15	24.1		Sqm	1	9.10	0.90	0.90	0.90		8.19			
		LHS											
		West to East											
0	15		Sqm	1	15.00	0.90	0.90	0.90		13.50			
15	30		Sqm	1	15.00	0.90	0.90	0.90		13.50			
30	31.4		Sqm	1	1.40	0.90	0.90	0.90		1.26			
		Multi Car Clinic Beside Road											
		LHS											
		South to north											
0	15		Sqm	1	15.00	0.90	0.90	0.90		13.50			
15	30		Sqm	1	15.00	0.90	0.90	0.90		13.50			
30	31.3		Sqm	1	1.30	0.90	0.90	0.90		1.17			
31.3	38.4	Bs Slab	Sqm	1	0.00	0.90	0.90	0.90		0.00			
38.4	47.1		Sqm	1	8.70	0.90	0.90	0.90		7.83			
		Signify Design ing Building Beside Road											
		South to North											
		RHS											
0	15		Sqm	1	15.00	0.90	0.90	0.90		13.50			
15	30.6		Sqm	1	15.60	0.90	0.90	0.90		14.04			
0	15		Sqm	1	15.00	0.90	0.90	0.90		13.50			
15	24.1		Sqm	1	9.10	0.90	0.90	0.90		8.19			
		LHS											
		North to South											
0	15		Sqm	1	15.00	0.90	0.90	0.90		13.50			
15	30		Sqm	1	15.00	0.90	0.90	0.90		13.50			
30	45		Sqm	1	15.00	0.90	0.90	0.90		13.50			
45	48.4		Sqm	1	3.40	0.90	0.90	0.90		3.06			
0	15		Sqm	1	15.00	0.90	0.90	0.90		13.50			
15	29.9		Sqm	1	14.90	0.90	0.90	0.90		13.41			
		Sahakar nagar Cross Road											
0	15		Sqm	1	15.00	0.90	0.90	0.90		13.50			
15	30		Sqm	1	15.00	0.90	0.90	0.90		13.50			
30	45		Sqm	1	15.00	0.90	0.90	0.90		13.50			
45	60		Sqm	1	15.00	0.90	0.90	0.90		13.50			
60	75		Sqm	1	15.00	0.90	0.90	0.90		13.50			
75	90		Sqm	1	15.00	0.90	0.90	0.90		13.50			
90	105		Sqm	1	15.00	0.90	0.90	0.90		13.50			
105	120		Sqm	1	15.00	0.90	0.90	0.90		13.50			
120	135		Sqm	1	15.00	0.90	0.90	0.90		13.50			
		Cross Road -2											
0	15		Sqm	1	15.00	0.90	0.90	0.90		13.50			
15	30		Sqm	1	15.00	0.90	0.90	0.90		13.50			
30	45		Sqm	1	15.00	0.90	0.90	0.90		13.50			
45	60		Sqm	1	15.00	0.90	0.90	0.90		13.50			
60	75		Sqm	1	15.00	0.90	0.90	0.90		13.50			
75	88		Sqm	1	13.00	0.90	0.90	0.90		11.70			
		Missing Slab	Sqm	16	0.90	0.60	0.60	0.60		8.64			
									Total Executed Quantity	433.89			

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
									Tender Quantity	**433.80**			
									Now To Be Paid Quantity	**433.89**			
									Quantity Limited To	**433.80**	**2404.77**	**1043189.23**	
Item no.07		Providing and Fixing pre cast Covering Slab 250mm thick made out of CC 1:2:4 and jelly 25mm Down size with steel reinforcement including form work,curing. including cost of all materials, labour, hire charges of machinery, loading, unloading. lead and lift, transportation etc, complete. and as per the direction of Engineer in charge of the work.											
Measurements Taken On :													
		Sahakar Nagar											
		14th main road Swathi Hotel Beside Road											
		LHS											
			Sqm	1	5.00	1.20	1.20	1.20		6.00			
			Sqm	1	6.85	1.20	1.20	1.20		8.22			
									Total Executed Quantity	**14.22**			
									Tender Quantity	**14.40**			
									Now To Be Paid Quantity	**14.22**	**5575.12**	**79278.21**	
Item no.08		Earth work in surface excavation for stripping, seating of bund, Road way, by manual means for lowering & leveling the ground for all works other than foundation & depth in all kinds of soil not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage & other appurtenances required to complete the work.											
			Cum										
		Vide Total executed Quantity from premeasuremet Page no. 07								483.83			
									Total Executed Quantity	**483.83**			
									Tender Quantity	**450.00**			
									Now To Be Paid Quantity	**483.83**			
									Quantity Limited to	**450.00**	**79.23**	**35653.50**	
Item no.09		Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density											
			Cum										
		Vide Total executed Quantity from premeasuremet Page no. 08								202.97			
									Total Executed Quantity	**202.97**			
									Tender Quantity	**202.50**			
									Now To Be Paid Quantity	**202.97**			
									Quantity Limited to	**202.50**	**2656.57**	**537955.43**	
Item no.10		Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density											
			Cum										
		Vide Total executed Quantity from premeasuremet Page no. 09								139.52			
									Total Executed Quantity	**139.52**			
									Tender Quantity	**139.50**			
									Now To Be Paid Quantity	**139.52**			
									Quantity Limited to	**139.50**	**2709.77**	**378012.92**	
Item no.11		Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means											
			Sqm										
		Vide Total executed Quantity from premeasuremet Page no. 10								902.79			
									Total Executed Quantity	**902.79**			
									Tender Quantity	**903.75**			
									Now To Be Paid Quantity	**902.79**	**47.54**	**42918.64**	

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
Item no.12		Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification											
			Cum										
		Vide Total executed Quantity from premeasuremet Page no. 11								45.18			
									Total Executed Quantity	45.18			
									Tender Quantity	45.19			
									Now To Be Paid Quantity	45.18	10344.43	467361.35	
Item no.13		Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.25 kg/m2 on the prepared bituminous surface cleaned with mechanical broom											
			Sqm										
		Vide Total executed Quantity from premeasuremet Page no. 12 to 13								1971.48			
									Total Executed Quantity	1971.48			
									Tender Quantity	1962.50			
									Now To Be Paid Quantity	1971.48			
									Quantity Limited to	1962.50	15.85	31105.63	
Item no.14		Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade,level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification											
Measurements Taken On :													
		Sahakar Nagar											
		Hema Sudeep Arcade Building Road											
		South to North											
0	15		Cum	1	15.00	4.70	4.40	4.55	0.04	2.73			
15	28		Cum	1	13.00	4.40	4.40	4.40	0.04	2.29			
28	43		Cum	1	15.00	5.60	5.70	5.65	0.04	3.39			
43	54.7		Cum	1	11.70	5.70	5.80	5.75	0.04	2.69			
		14th main road Swathi Hotel Beside Road											
		West to East											
0	15		Cum	1	15.00	6.30	6.70	6.50	0.04	3.90			
15	24.8		Cum	1	9.80	6.70	6.60	6.65	0.04	2.61			
24.8	26.2	culvert	Cum	1	0.00	0.00	0.00	0.00	0.04	0.00			
26.2	30		Cum	1	3.80	8.20	8.20	8.20	0.04	1.25			
30	45		Cum	1	15.00	8.20	7.80	8.00	0.04	4.80			
45	60		Cum	1	15.00	7.80	6.15	6.98	0.04	4.19			
60	62.3	Culvert	Cum	1	0.00	0.00	0.00	0.00	0.04	0.00			
62.3	70.2		Cum	1	7.90	4.40	4.90	4.65	0.04	1.47			
70.2	75		Cum	1	4.80	6.10	5.80	5.95	0.04	1.14			
75	90		Cum	1	15.00	5.80	6.40	6.10	0.04	3.66			
90	105		Cum	1	15.00	6.40	6.50	6.45	0.04	3.87			
105	115.8		Cum	1	10.80	6.50	6.00	6.25	0.04	2.70			
		13th Main 1st Cross Road											
		South to North											
0	15		Cum	1	15.00	5.50	5.00	5.25	0.04	3.15			
15	30		Cum	1	15.00	5.00	5.50	5.25	0.04	3.15			
30	45		Cum	1	15.00	5.50	5.60	5.55	0.04	3.33			
45	53.3		Cum	1	8.30	5.60	5.95	5.78	0.04	1.92			
53.3	59.4	No work	Cum	1	6.10	0.00	0.00	0.00	0.04	0.00			
59.4	60		Cum	1	0.60	4.70	4.60	4.65	0.04	0.11			
60	75		Cum	1	15.00	4.60	4.00	4.30	0.04	2.58			
75	90		Cum	1	15.00	4.00	4.70	4.35	0.04	2.61			
90	105		Cum	1	15.00	4.70	4.00	4.35	0.04	2.61			
105	121.7		Cum	1	16.70	4.00	5.80	4.90	0.04	3.27			

63.42

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

MEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		Nandan Hotel opp Road											
		West to East											
0	15		Cum	1	15.00	5.00	5.20	5.10	0.04	3.06			
15	30		Cum	1	15.00	5.20	5.10	5.15	0.04	3.09			
		Multi Car Clinic Beside Road											
		North to South											
0	15		Cum	1	15.00	4.80	5.30	5.05	0.04	3.03			
15	30		Cum	1	15.00	5.30	4.70	5.00	0.04	3.00			
30	45.4		Cum	1	15.40	4.70	4.20	4.45	0.04	2.74			
45.4	48.4		Cum	1	3.00	3.80	4.90	4.35	0.04	0.52			
									Total Executed Quantity	78.86			
									Tender Quantity	78.50			
									Now To Be Paid Quantity	78.86			
									Quantity Limited to	78.50	12010.59	942831.32	
Item no.15		Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes.											
Measurements Taken On .													
		Sahakar Nagar											
		Hema Sudeep Arcade Building Road											
		South to North											
0	15		Sqm	2	15.00	0.10	0.10	0.10		3.00			
15	28		Sqm	2	13.00	0.10	0.10	0.10		2.60			
28	43		Sqm	2	15.00	0.10	0.10	0.10		3.00			
43	54.7		Sqm	2	11.70	0.10	0.10	0.10		2.34			
		14th main road Swathi Hotel Beside Road											
		West to East											
0	15		Sqm	2	15.00	0.10	0.10	0.10		3.00			
15	24.8		Sqm	2	9.80	0.10	0.10	0.10		1.96			
24.8	26.2	culvert	Sqm	2	0.00	0.10	0.10	0.10		0.00			
26.2	30		Sqm	2	3.80	0.10	0.10	0.10		0.76			
30	45		Sqm	2	15.00	0.10	0.10	0.10		3.00			
45	60		Sqm	2	15.00	0.10	0.10	0.10		3.00			
60	62.3	Culvert	Sqm	2	0.00	0.10	0.10	0.10		0.00			
62.3	70.2		Sqm	2	7.90	0.10	0.10	0.10		1.58			
70.2	75		Sqm	2	4.80	0.10	0.10	0.10		0.96			
75	90		Sqm	2	15.00	0.10	0.10	0.10		3.00			
90	105		Sqm	2	15.00	0.10	0.10	0.10		3.00			
105	115.8		Sqm	2	10.80	0.10	0.10	0.10		2.16			
		13th Main 1st Cross Road											
		South to North											
0	15		Sqm	2	15.00	0.10	0.10	0.10		3.00			
15	30		Sqm	2	15.00	0.10	0.10	0.10		3.00			
30	45		Sqm	2	15.00	0.10	0.10	0.10		3.00			
45	53.3		Sqm	2	8.30	0.10	0.10	0.10		1.66			
53.3	59.4	No work	Sqm	2	6.10	0.10	0.10	0.10		1.22			
59.4	60		Sqm	2	0.60	0.10	0.10	0.10		0.12			
60	75		Sqm	2	15.00	0.10	0.10	0.10		3.00			
75	90		Sqm	2	15.00	0.10	0.10	0.10		3.00			
90	105		Sqm	2	15.00	0.10	0.10	0.10		3.00			
105	121.7		Sqm	2	16.70	0.10	0.10	0.10		3.34			
		Nandan Hotel opp Road								57.70			
		West to East											

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division

MEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
0	15		Sqm	2	15.00	0.10	0.10	0.10		3.00			
15	30		Sqm	2	15.00	0.10	0.10	0.10		3.00			
		Multi Car Clinic Beside Road North to South											
0	15		Sqm	2	15.00	0.10	0.10	0.10		3.00			
15	30		Sqm	2	15.00	0.10	0.10	0.10		3.00			
30	45.4		Sqm	2	15.40	0.10	0.10	0.10		3.08			
45.4	48.4		Sqm	2	3.00	0.10	0.10	0.10	15.10	0.60			
									Total Executed Quantity	73.38			
									Tender Quantity	70.00			
									Now To Be Paid Quantity	73.38			
									Quantity Limited to	70.00	541.05	37873.50	
Item no.16		Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3)											
			Cum										
		Vide Total executed Quantity from premeasuremet Page no. 14								382.33			
									Total Executed Quantity	382.33			
									Tender Quantity	382.35			
									Now To Be Paid Quantity	382.33	83.76	32023.96	
Item no.17		Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km											
			t.km										
		Vide Total executed Quantity from premeasuremet Page no. 15								5285.30			
									Total Executed Quantity	5285.30			
									Tender Quantity	4796.50			
									Now To Be Paid Quantity	5285.30			
									Quantity Limited To	4796.50	12.35	59236.78	
											Sub Total	5229909.81	
											Add 18% Gst	941383.77	
											Total Amount	6171293.58	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Round off. 6171000.00

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains at behind swathi hotel at Sahakara Nagar in Ward No:10 Kempapura

PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 01		Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. and as per the direction of Engineer in charge of the work.									
Measurements Taken On :											
		Sahakar Nagar									
		Hema Sudeep Arcade Building Road									
		RHS									
		South to North									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
15	21		Cum	1	6.00	1.20	1.20	1.20	0.90	6.48	
		14th main road Swathi Hotel Beside Road									
		RHS									
		West to East									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
15	24.1		Cum	1	9.10	1.20	1.20	1.20	0.90	9.83	
		LHS									
		West to East									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
30	31.4		Cum	1	1.40	1.20	1.20	1.20	0.90	1.51	
		Multi Car Clinic Beside Road									
		LHS									
		South to north									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
30	45		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
45	47.1		Cum	1	2.10	1.20	1.20	1.20	0.90	2.27	
		Signify Design ing Building Beside Road									
		South to North									
		RHS									
0	15		Cum	1	15.00	1.20	1.20	1.20	1.20	21.60	
										155.09	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
15	30.6		Cum	1	15.60	1.20	1.20	1.20	1.20	22.46	
0	15		Cum	1	15.00	1.20	1.20	1.20	1.00	18.00	
15	24.1		Cum	1	9.10	1.20	1.20	1.20	1.00	10.92	
		LHS									
		North to South									
0	15		Cum	1	15.00	1.10	1.10	1.10	1.00	16.50	
15	30		Cum	1	15.00	1.10	1.10	1.10	1.00	16.50	
30	45		Cum	1	15.00	1.10	1.10	1.10	1.00	16.50	
45	48.4		Cum	1	3.40	1.10	1.10	1.10	1.00	3.74	
0	15		Cum	1	15.00	1.10	1.10	1.10	1.20	19.80	
15	29.9		Cum	1	14.90	1.10	1.10	1.10	1.20	19.67	
		Culvert									
		Sahakar Nagar									
		14th main road Swathi Hotel Beside Road									
		LHS									
			Cum	1	5.00	1.40	1.40	1.40	1.00	7.00	
			Cum	1	6.85	1.35	1.35	1.35	1.00	9.25	
		For Desilt									
		Sahakar nagar									
		Cross Road									
0	15		Cum	1	15.00	0.60	0.60	0.60	0.50	4.50	
15	30		Cum	1	15.00	0.60	0.60	0.60	0.50	4.50	
30	45		Cum	1	15.00	0.60	0.60	0.60	0.50	4.50	
45	60		Cum	1	15.00	0.60	0.60	0.60	0.50	4.50	
60	75		Cum	1	15.00	0.60	0.60	0.60	0.50	4.50	
75	90		Cum	1	15.00	0.60	0.60	0.60	0.50	4.50	
90	105		Cum	1	15.00	0.60	0.60	0.60	0.50	4.50	
105	120		Cum	1	15.00	0.60	0.60	0.60	0.50	4.50	
120	135		Cum	1	15.00	0.60	0.60	0.60	0.50	4.50	
		Cross Road -2									
0	15		Cum	1	15.00	0.60	0.60	0.60	0.50	4.50	
15	30		Cum	1	15.00	0.60	0.60	0.60	0.50	4.50	
30	45		Cum	1	15.00	0.60	0.60	0.60	0.50	4.50	
45	60		Cum	1	15.00	0.60	0.60	0.60	0.50	4.50	
60	75		Cum	1	15.00	0.60	0.60	0.60	0.50	4.50	
75	88		Cum	1	13.00	0.60	0.60	0.60	0.50	3.90	
									TOTAL	382.33	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 02		Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. and as per the direction of Engineer in charge of the work.									
Measurements Taken On :											
		Sahakar Nagar									
		Hema Sudeep Arcade Building Road									
		RHS									
		South to North									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
15	21		Cum	1	6.00	1.20	1.20	1.20	0.15	1.08	
		14th main road Swathi Hotel Beside Road									
		RHS									
		West to East									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
15	24.1		Cum	1	9.10	1.20	1.20	1.20	0.15	1.64	
		LHS									
		West to East									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
30	31.4		Cum	1	1.40	1.20	1.20	1.20	0.15	0.25	
		Multi Car Clinic Beside Road									
		LHS									
		South to north									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
30	45		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
45	47.1		Cum	1	2.10	1.20	1.20	1.20	0.15	0.38	
		Signify Design ing Building Beside Road									
		South to North									
		RHS									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
15	30.6		Cum	1	15.60	1.20	1.20	1.20	0.15	2.81	
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
15	24.1		Cum	1	9.10	1.20	1.20	1.20	0.15	1.64	

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Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
		LHS									
		North to South									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
45	48.4		Cum	1	3.40	1.10	1.10	1.10	0.15	0.56	
0	15		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
15	29.9		Cum	1	14.90	1.10	1.10	1.10	0.15	2.46	
		Culvert									
		Sahakar Nagar									
		14th main road Swathi Hotel Beside Road									
		LHS									
			Cum	1	5.00	1.40	1.40	1.40	0.15	1.05	
			Cum	1	6.85	1.35	1.35	1.35	0.15	1.39	
									TOTAL	47.48	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item no.04		Supplying, Fitting and Placing TMT Fe550 bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. and as per the direction of Engineer in charge of the work.									
Measurements Taken On :											
		Drain	Tonne	From Calculation Sheeet						3.80	
		Culvert	Tonne	From Calculation Sheeet						0.37	
									TOTAL	4.17	

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains at behind swathi hotel at Sahakara Nagar in Ward No:10 Kempapura

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

STEEL CALCULATION

SI NO	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
Item no.04	Supplying, Fitting and Placing TMT Fe550 bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. and as per the direction of Engineer in charge of the work.								
Measurements Taken On;									
	For RCC Drain								
	Sahakar Nagar								
	Hema Sudeep Arcade								
	RHS								
	South to North								
	Main Bars (#10@150 c/c)	1	10	131	131	2.40	314.40	0.62	194.93
	Distribution(13-#8)	1	8	12	12	21.00	252.00	0.39	98.28
	14th main road Swathi Hotel Beside Road								
	RHS								
	West to East								
	Main Bars (#10@150 c/c)	1	10	151	151	2.40	362.40	0.62	224.69
	Distribution(13-#8)	1	8	12	12	24.10	289.20	0.39	112.79
	LHS								
	West to East								
	Main Bars (#10@150 c/c)	1	10	196	196	2.40	470.40	0.62	291.65
	Distribution(13-#8)	1	8	12	12	31.40	376.80	0.39	146.95
	Multi Car Clinic Beside Road								
	LHS								
	South to north								
	Main Bars (#10@150 c/c)	1	10	294	294	2.40	705.60	0.62	437.47
	Distribution(13-#8)	1	8	12	12	47.10	565.20	0.39	220.43
	Signify Design ing Building Beside Road								
	South to North								
	RHS								
	Main Bars (#10@150 c/c)	1	10	191	191	3.00	573.00	0.62	355.26
	Distribution(13-#8)	1	8	15	15	30.60	459.00	0.39	179.01

2261.46

Assistant Executive Engg
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BBMP, Bangalore

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Sl. No	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
	Main Bars (#10@150 c/c)	1	10	151	151	2.40	362.40	0.62	224.69
	Distribution(13-#8)	1	8	12	12	24.10	289.20	0.39	112.79
	LHS								
	North to South								
	Main Bars (#10@150 c/c)	1	10	303	303	2.40	727.20	0.62	450.86
	Distribution(13-#8)	1	8	12	12	48.40	580.80	0.39	226.51
	Main Bars (#10@150 c/c)	1	10	187	187	3.00	561.00	0.62	347.82
	Distribution(13-#8)	1	8	15	15	29.90	448.50	0.39	174.92
								QTY IN KG'S	3799.05
								QTY IN TONNE	3.80
	For Culvert								
	Sahakar Nagar								
	14th main road Swathi Hotel Beside Road								
	LHS								
	12# @120 c/c main	1	10	33	33	5.10	168.30	0.62	104.35
	10# @160 c/c Distrubution bars	1	8	26	26	5.00	130.00	0.39	50.70
	12# @120 c/c main	1	10	46	46	5.10	234.60	0.62	145.45
	10# @160 c/c Distrubution bars	1	8	26	26	6.85	178.10	0.39	69.46
								QTY IN KG'S	369.96
								QTY IN TONNE	0.37
								TOTAL QTY IN KG'S	4169.01
								TOTAL QTY IN TONNE	4.17

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 05		Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. The cost of steel reinforcement & formwork shall be paid separately Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates									
Measurements Taken On :											
		Coping Concret									
0	15		Cum	2	15.00	0.15	0.15	0.15	0.10	0.45	
15	30		Cum	2	15.00	0.15	0.15	0.15	0.10	0.45	
30	45		Cum	2	15.00	0.15	0.15	0.15	0.10	0.45	
45	60		Cum	2	15.00	0.15	0.15	0.15	0.10	0.45	
60	75		Cum	2	15.00	0.15	0.15	0.15	0.10	0.45	
75	90		Cum	2	15.00	0.15	0.15	0.15	0.10	0.45	
90	105		Cum	2	15.00	0.15	0.15	0.15	0.10	0.45	
105	120		Cum	2	15.00	0.15	0.15	0.15	0.10	0.45	
									TOTAL	3.60	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

ontractor

Assistant Engineer

Assistant Executive Engineer

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Kodigehalli Sub Division
BBMP, Bangalore

PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 08		Earth work in surface excavation for stripping, seating of bund, Road way, by manual means for lowering & leveling the ground for all works other than foundation & depth in all kinds of soil not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage & other appurtenances required to complete the work.									
Measurements Taken On :											
		Sahakaranagara									
		14th main road Swathi Hotel Beside Road									
		West to East									
0	15		Sqm	1	15.00	6.30	6.70	6.50		97.50	
15	24.8		Sqm	1	9.80	6.70	6.60	6.65		65.17	
24.8	26.2	culvert	Sqm	1	0.00	0.00	0.00	0.00		0.00	
26.2	30		Sqm	1	3.80	8.20	8.20	8.20		31.16	
30	45		Sqm	1	15.00	8.20	7.80	8.00		120.00	
45	60		Sqm	1	15.00	7.80	6.15	6.98		104.70	
60	62.3	Culvert	Sqm	1	0.00	0.00	0.00	0.00		0.00	
62.3	70.2		Sqm	1	7.90	4.40	4.90	4.65		36.74	
70.2	75		Sqm	1	4.80	6.10	5.80	5.95		28.56	
									TOTAL	483.83	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 09		Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density									
easurements Taken On :											
		Sahakaranagara									
		14th main road Swathi Hotel Beside Road									
		West to East									
0	15		Cum	1	15.00	6.30	6.70	6.50	0.45	43.88	
15	24.8		Cum	1	9.80	6.70	6.60	6.65	0.45	29.33	
24.8	26.2	culvert	Cum	1	0.00	0.00	0.00	0.00	0.45	0.00	
26.2	30		Cum	1	3.80	8.20	8.20	8.20	0.50	15.58	
30	45		Cum	1	15.00	8.20	7.80	8.00	0.45	54.00	
45	60		Cum	1	15.00	7.80	6.15	6.98	0.45	47.12	
60	62.3	Culvert	Cum	1	0.00	0.00	0.00	0.00	0.45	0.00	
62.3	70.2		Cum	1	7.90	4.40	4.90	4.65	0.20	7.35	
70.2	75		Cum	1	4.80	6.10	5.80	5.95	0.20	5.71	
									TOTAL	202.97	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

PREMEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 10		Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density									
easurements Taken On :											
		Sahakaranagara									
		14th main road Swathi Hotel Beside Road									
		West to East									
0	15		Cum	1	15.00	6.30	6.70	6.50	0.23	22.43	
15	24.8		Cum	1	9.80	6.70	6.60	6.65	0.23	14.99	
24.8	26.2	culvert	Cum	1	0.00	0.00	0.00	0.00	0.23	0.00	
26.2	30		Cum	1	3.80	8.20	8.20	8.20	0.23	7.17	
30	45		Cum	1	15.00	8.20	7.80	8.00	0.23	27.60	
45	60		Cum	1	15.00	7.80	6.15	6.98	0.23	24.08	
60	62.3	Culvert	Cum	1	0.00	0.00	0.00	0.00	0.23	0.00	
62.3	70.2		Cum	1	7.90	4.40	4.90	4.65	0.23	8.45	
70.2	75		Cum	1	4.80	6.10	5.80	5.95	0.23	6.57	
		13th Main 1st Cross Road									
		South to North									
3	13.8		Cum	1	10.80	2.60	2.60	2.60	0.23	6.46	
33	43		Cum	1	10.00	3.40	3.40	3.40	0.23	7.82	
62	71		Cum	1	9.00	3.30	3.30	3.30	0.23	6.83	
108	121.7		Cum	1	13.70	2.60	2.60	2.60	0.20	7.12	
									TOTAL	139.52	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 11		Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means									
Measurements Taken On :											
		Sahakaranagara									
		14th main road Swathi Hotel Beside Road									
		West to East									
0	15		Sqm	1	15.00	6.30	6.70	6.50		97.50	
15	24.8		Sqm	1	9.80	6.70	6.60	6.65		65.17	
24.8	26.2	culvert	Sqm	1	0.00	0.00	0.00	0.00		0.00	
26.2	30		Sqm	1	3.80	8.20	8.20	8.20		31.16	
30	45		Sqm	1	15.00	8.20	7.80	8.00		120.00	
45	60		Sqm	1	15.00	7.80	6.15	6.98		104.70	
60	62.3	Culvert	Sqm	1	0.00	0.00	0.00	0.00		0.00	
62.3	70.2		Sqm	1	7.90	4.40	4.90	4.65		36.74	
70.2	75		Sqm	1	4.80	6.10	5.80	5.95		28.56	
		Hema Sudeep Arcade Building Road									
		South to North									
4.5	13.8		Sqm	1	9.30	4.00	4.00	4.00		37.20	
17.6	24		Sqm	1	6.40	2.10	2.10	2.10		13.44	
31	43		Sqm	1	12.00	3.30	3.30	3.30		39.60	
48	54.7		Sqm	1	6.70	3.00	3.00	3.00		20.10	
		13th Main 1st Cross Road									
		South to North									
3	13.8		Sqm	1	10.80	2.60	2.60	2.60		28.08	
18	28.3		Sqm	1	10.30	3.30	3.30	3.30		33.99	
33	43		Sqm	1	10.00	3.40	3.40	3.40		34.00	
48	53.3		Sqm	1	5.30	2.40	2.40	2.40		12.72	
53.3	59.4	No work	Sqm	1	6.10	0.00	0.00	0.00		0.00	
62	71		Sqm	1	9.00	2.20	2.20	2.20		19.80	
78	89		Sqm	1	11.00	3.10	3.10	3.10		34.10	
92	104		Sqm	1	12.00	1.80	1.80	1.80		21.60	
108	121.7		Sqm	1	13.70	2.30	2.30	2.30		31.51	
		Multi Car Clinic Beside Road									
		North to South									
2	10		Sqm	1	8.00	2.20	2.20	2.20		17.60	
17	28		Sqm	1	11.00	3.30	3.30	3.30		36.30	
32	44		Sqm	1	12.00	2.80	2.80	2.80		33.60	
47	48.4		Sqm	1	1.40	3.80	3.80	3.80		5.32	
									TOTAL	902.79	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 12		Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification									
Measurements Taken On :											
		Sahakaranagara									
		14th main road Swathi Hotel Beside Road									
		West to East									
0	15		Cum	1	15.00	6.30	6.70	6.50	0.05	4.88	
15	24.8		Cum	1	9.80	6.70	6.60	6.65	0.05	3.26	
24.8	26.2	culvert	Cum	1	0.00	0.00	0.00	0.00	0.05	0.00	
26.2	30		Cum	1	3.80	8.20	8.20	8.20	0.05	1.56	
30	45		Cum	1	15.00	8.20	7.80	8.00	0.05	6.00	
45	60		Cum	1	15.00	7.80	6.15	6.98	0.05	5.24	
60	62.3	Culvert	Cum	1	0.00	0.00	0.00	0.00	0.05	0.00	
62.3	70.2		Cum	1	7.90	4.40	4.90	4.65	0.05	1.84	
70.2	75		Cum	1	4.80	6.10	5.80	5.95	0.05	1.43	
		Hema Sudeep Arcade Building Road									
		South to North									
4.5	13.8		Cum	1	9.30	4.00	4.00	4.00	0.05	0.74	
17.6	24		Cum	1	6.40	2.10	2.10	2.10	0.05	0.67	
31	43		Cum	1	12.00	3.30	3.30	3.30	0.05	1.98	
48	54.7		Cum	1	6.70	3.00	3.00	3.00	0.05	1.01	
		13th Main 1st Cross Road									
		South to North									
3	13.8		Cum	1	10.80	2.60	2.60	2.60	0.05	1.40	
18	28.3		Cum	1	10.30	3.30	3.30	3.30	0.05	1.70	
33	43		Cum	1	10.00	3.40	3.40	3.40	0.05	1.70	
48	53.3		Cum	1	5.30	2.40	2.40	2.40	0.05	0.64	
53.3	59.4	No work	Cum	1	6.10	0.00	0.00	0.00	0.05	0.00	
62	71		Cum	1	9.00	2.20	2.20	2.20	0.05	0.99	
78	89		Cum	1	11.00	3.10	3.10	3.10	0.05	1.71	
92	104		Cum	1	12.00	1.80	1.80	1.80	0.05	1.08	
108	121.7		Cum	1	13.70	2.30	2.30	2.30	0.05	1.58	
		Multi Car Clinic Beside Road									
		North to South									
2	10		Cum	1	8.00	2.20	2.20	2.20	0.05	0.88	
17	28		Cum	1	11.00	3.30	3.30	3.30	0.05	1.82	
32	44		Cum	1	12.00	2.80	2.80	2.80	0.05	1.68	
47	48.4		Cum	1	1.40	3.80	3.80	3.80	0.05	0.27	
									TOTAL	45.18	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 13		Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.25 kg/m2 on the prepared bituminous surface cleaned with mechanical broom									
Measurements Taken On :											
		Sahakar Nagar									
		Hema Sudeep Arcade Building Road									
		South to North									
0	15		Sqm	1	15.00	4.70	4.40	4.55		68.25	
15	28		Sqm	1	13.00	4.40	4.40	4.40		57.20	
28	43		Sqm	1	15.00	5.60	5.70	5.65		84.75	
43	54.7		Sqm	1	11.70	5.70	5.80	5.75		67.28	
		14th main road Swathi Hotel Beside Road									
		West to East									
0	15		Sqm	1	15.00	6.30	6.70	6.50		97.50	
15	24.8		Sqm	1	9.80	6.70	6.60	6.65		65.17	
24.8	26.2	culvert	Sqm	1	0.00	0.00	0.00	0.00		0.00	
26.2	30		Sqm	1	3.80	8.20	8.20	8.20		31.16	
30	45		Sqm	1	15.00	8.20	7.80	8.00		120.00	
45	60		Sqm	1	15.00	7.80	6.15	6.98		104.70	
60	62.3	Culvert	Sqm	1	0.00	0.00	0.00	0.00		0.00	
62.3	70.2		Sqm	1	7.90	4.40	4.90	4.65		36.74	
70.2	75		Sqm	1	4.80	6.10	5.80	5.95		28.56	
75	90		Sqm	1	15.00	5.80	6.40	6.10		91.50	
90	105		Sqm	1	15.00	6.40	6.50	6.45		96.75	
105	115.8		Sqm	1	10.80	6.50	6.00	6.25		67.50	
		13th Main 1st Cross Road									
		South to North									
0	15		Sqm	1	15.00	5.50	5.00	5.25		78.75	
15	30		Sqm	1	15.00	5.00	5.50	5.25		78.75	
30	45		Sqm	1	15.00	5.50	5.60	5.55		83.25	
45	53.3		Sqm	1	8.30	5.60	5.95	5.78		47.97	
53.3	59.4	No work	Sqm	1	6.10	0.00	0.00	0.00		0.00	
59.4	60		Sqm	1	0.60	4.70	4.60	4.65		2.79	
60	75		Sqm	1	15.00	4.60	4.00	4.30		64.50	
75	90		Sqm	1	15.00	4.00	4.70	4.35		65.25	
90	105		Sqm	1	15.00	4.70	4.00	4.35		65.25	
105	121.7		Sqm	1	16.70	4.00	5.80	4.90		81.83	
		Nandan Hotel opp Road									
		West to East									
0	15		Sqm	1	15.00	5.00	5.20	5.10		76.50	
15	30		Sqm	1	15.00	5.20	5.10	5.15		77.25	

1739.15

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
		Multi Car Clinic Beside Road									
		North to South									
0	15		Sqm	1	15.00	4.80	5.30	5.05		75.75	
15	30		Sqm	1	15.00	5.30	4.70	5.00		75.00	
30	45.4		Sqm	1	15.40	4.70	4.20	4.45		68.53	
45.4	48.4		Sqm	1	3.00	3.80	4.90	4.35	232-33	13.05	
									TOTAL	1971.48	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

BBMP

PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item no.16		Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3)									
Measurements Taken On :											
		Qty vide From Item No 01	Cum		382.33					382.33	
									TOTAL	382.33	

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item no.17		Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km									
Measurements Taken On :											
		Qty vide From Item No 16	t.km		382.33		1.28			489.38	
		Cost of Haulage Excluding Loading and Unloading on Surface Road to a Distance of 9.80 Kms			489.38		9.80			4795.92	
									TOTAL	5285.30	

Contractor

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Sahakar Nagar

INDEX	Asphalt Road · CC Culvert · CC Drain
Name Of Work	**Improvements to roads and drains at behind swathi hotel at Sahakara Nagar in Ward No:10 Kempapura**

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore